

FIG. 1

## TOPSIGHT SYSTEM

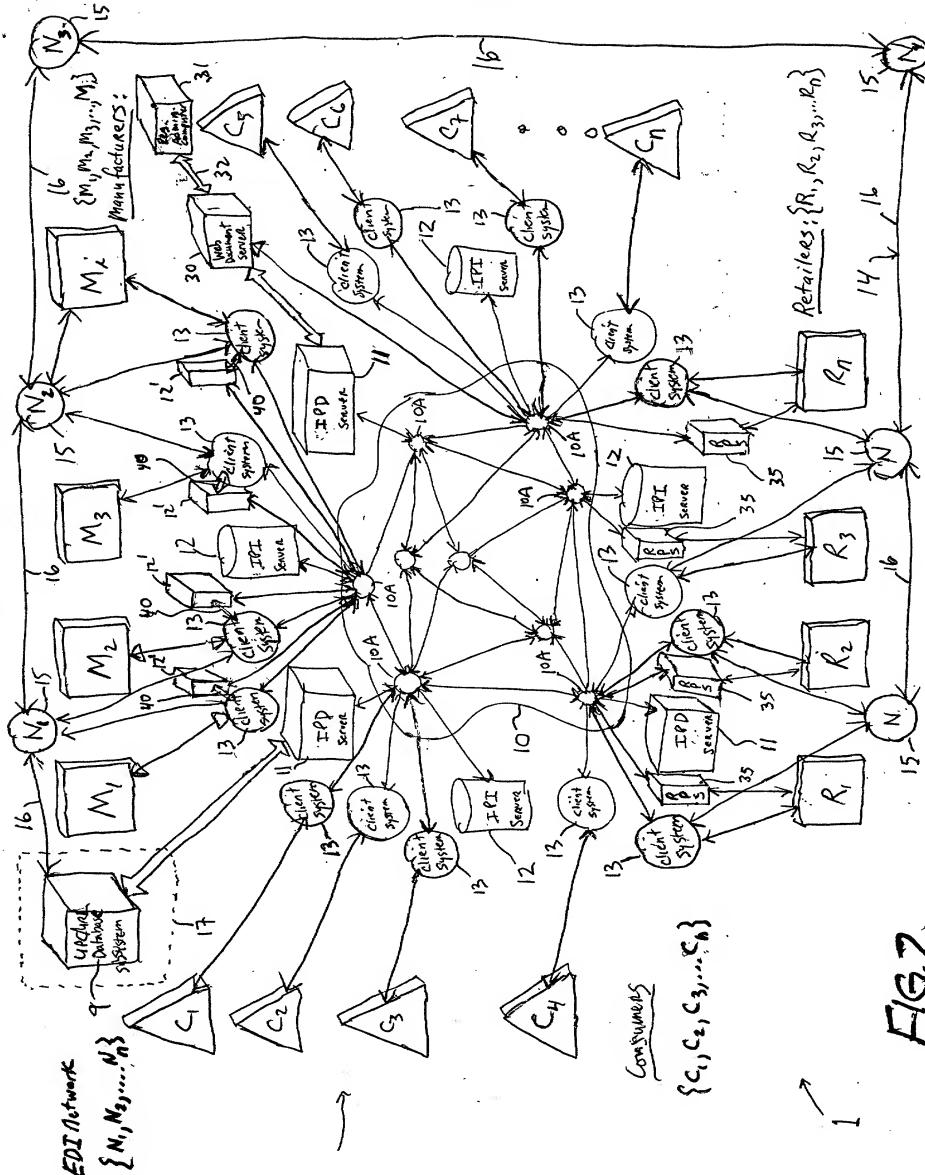


FIG. 2

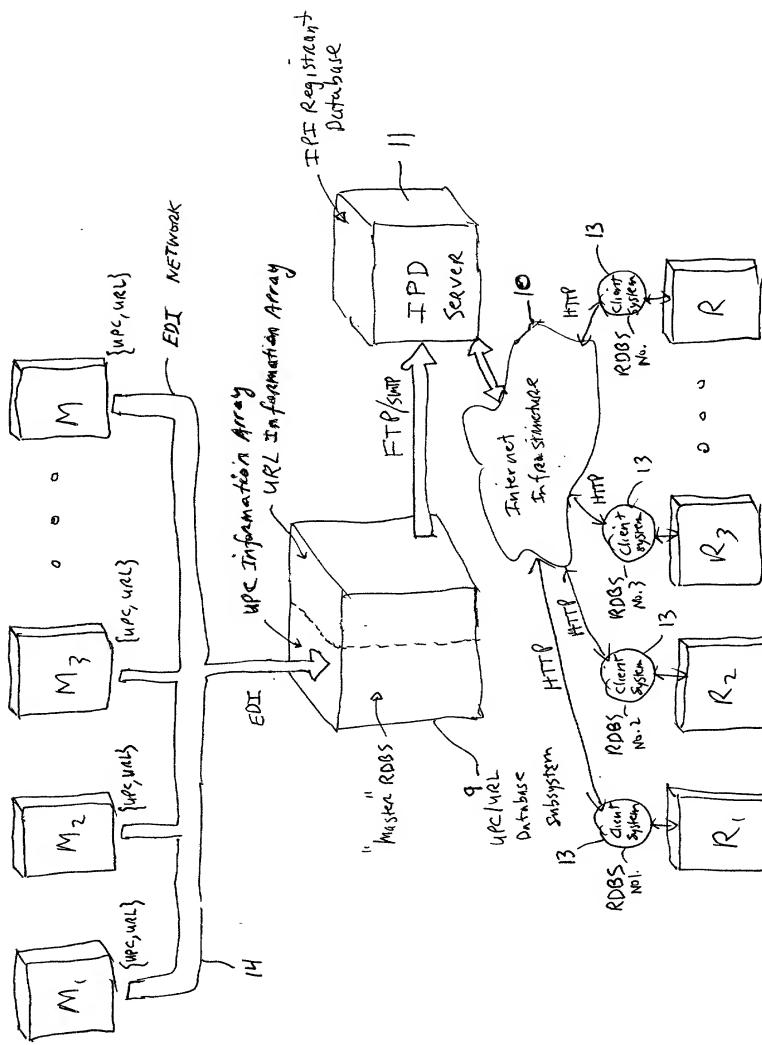
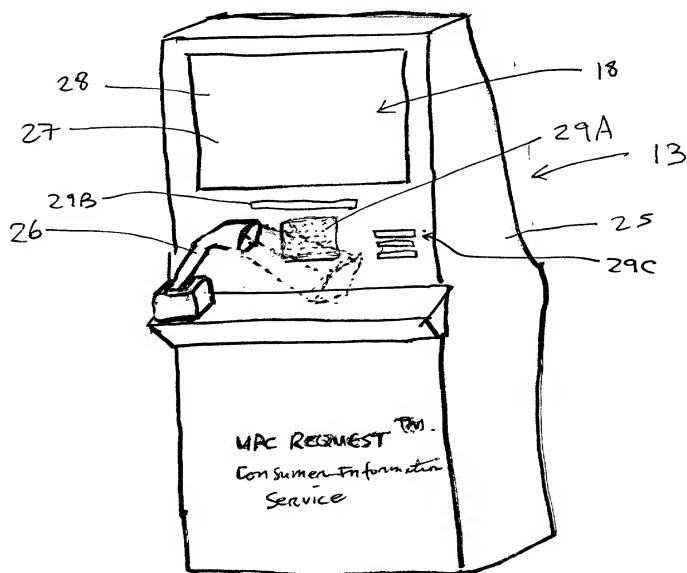
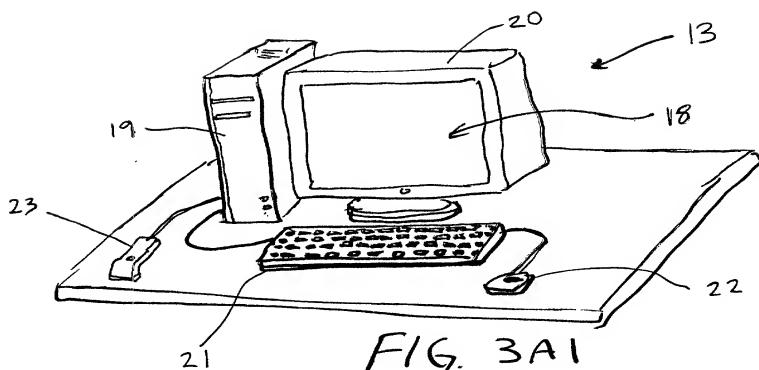


FIG. 2A

4/16



10040176 102501

5/16

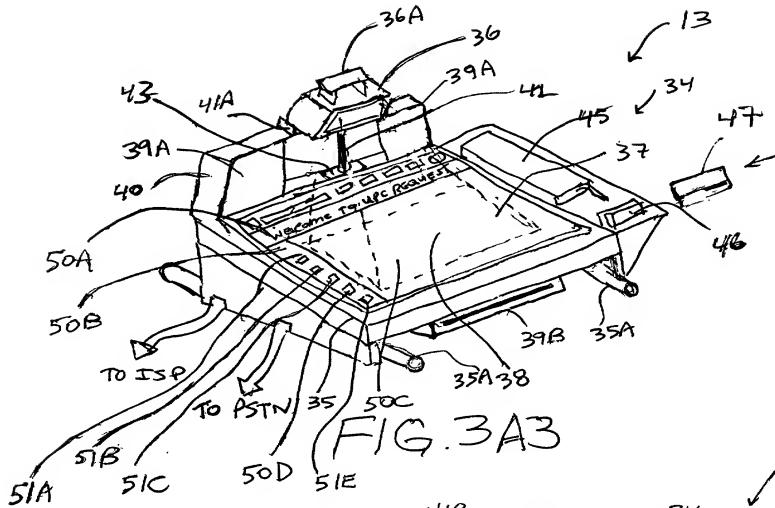


FIG. 3A3

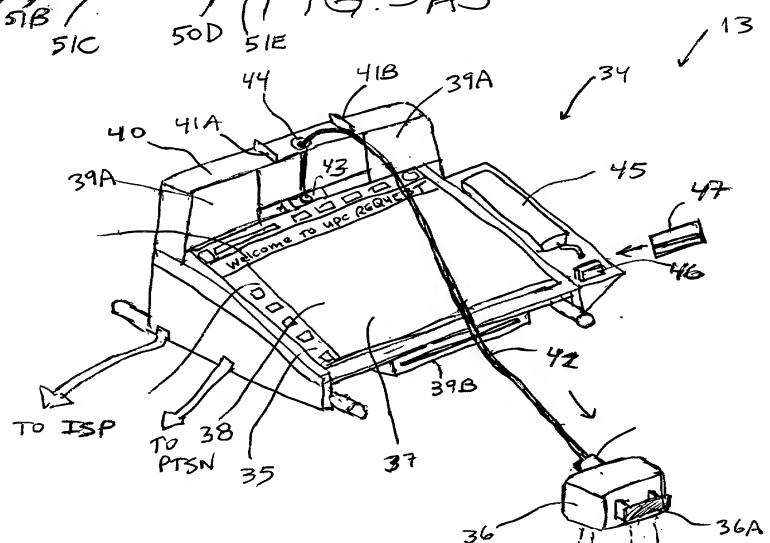


FIG. 3A3'

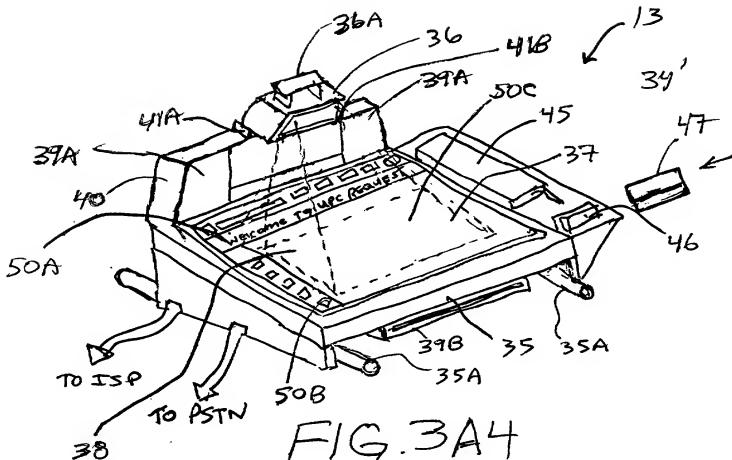


FIG. 3A4

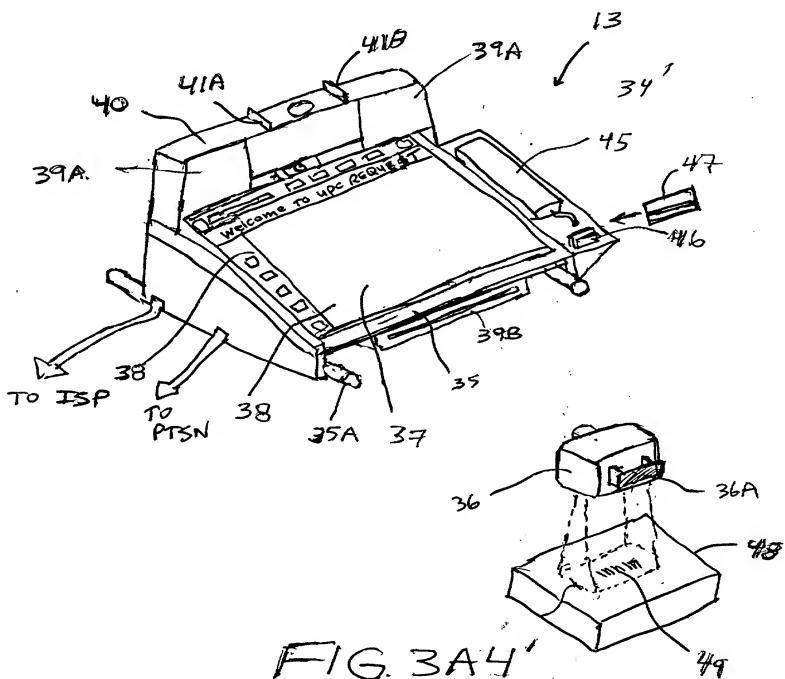


FIG. 3A4'

1000175 - 102501

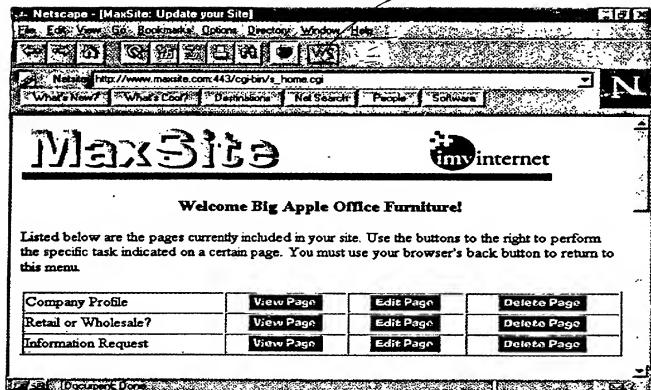
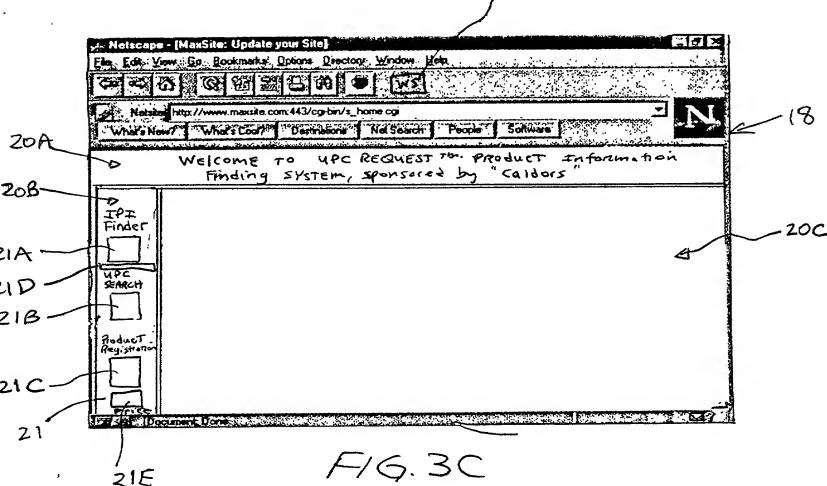


FIG. 3B



8/16

| I/P/S N         | Registrant's Name                       | Product description                          | Uniform Resource Locator (URL)  | Trade name | e-mail Address | Status |
|-----------------|---|--|---------------------------------|------------|----------------|--------|
| 7/18/08/1167410 | Apple Computer Inc<br>Cupertino, Calif. | Power mac<br>Macbook 20<br>Personal computer | Http://www.~~~~~/<br>Power mac. |            |                |        |
| 0/333/10476     | Pfizer & Gamble                         | Toothpaste                                   | Http://www.~~~~~/<br>crest      |            |                |        |
| 3/25/09/1684010 | Warner Welcome                          | acid reducer                                 | Http://www.~~~~~/<br>Zantac 75  | Zantac 75  |                |        |
| 0/00003/764314  | Kodak, Inc.                             | Film processing                              | Http://www.~~~~~/<br>Kodak      |            |                |        |
| :               | :                                       | :  | :                               | :          | :              |        |
| 0/27/2011/10579 | Sony, Inc.                              | personal Computer                            | Http://www.Sony.com/pc          | Sony       |                |        |

Information structure of Relationship  
 Data base realized aboard  
 IIS directory server

F/G/H/A1

Subfield structure of URL information field  
of IP PSD Database

FIG. 4A2

10/10

| I/P/S N         | Registrant's Name             | Product Description | Trade/Service Marks | e-mail Address | Status |
|-----------------|-------------------------------|---------------------|---------------------|----------------|--------|
| 7/0508/137460/7 | Netscape Communications Corp. | Internet Navigator  | (Netscape)          | Navigator      |        |
| 0/30000/0/020/4 | Quaker Inc.                   | oatmeal             | Quaker              | Quaker         |        |
| 0/446/390/1     | Coca Cola, Inc                | coca soda           | Coca Cola,<br>Cola  |                |        |
| 0/7359/20/245/2 | Warner Bros.                  | Audio CD            | Patterson<br>Geffen | Geffen         |        |
| ..              | ..                            | ..                  | ..                  | ..             | ..     |
| ..              | ..                            | ..                  | ..                  | ..             | ..     |
| ..              | ..                            | ..                  | ..                  | ..             | ..     |

Information structure of relational  
 Database realized as  
 EPS hierarchy shown

Fig. 4B

11/16

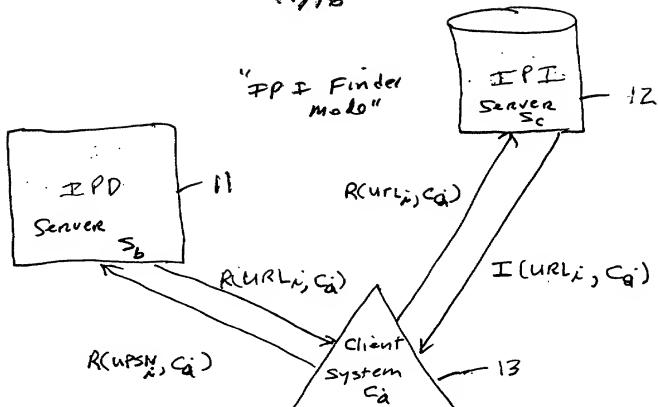


FIG. 5A

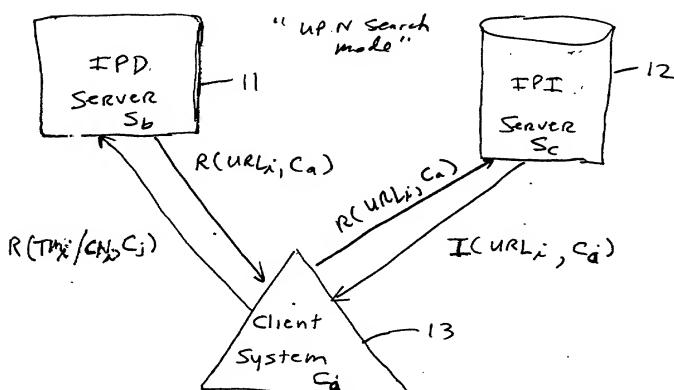
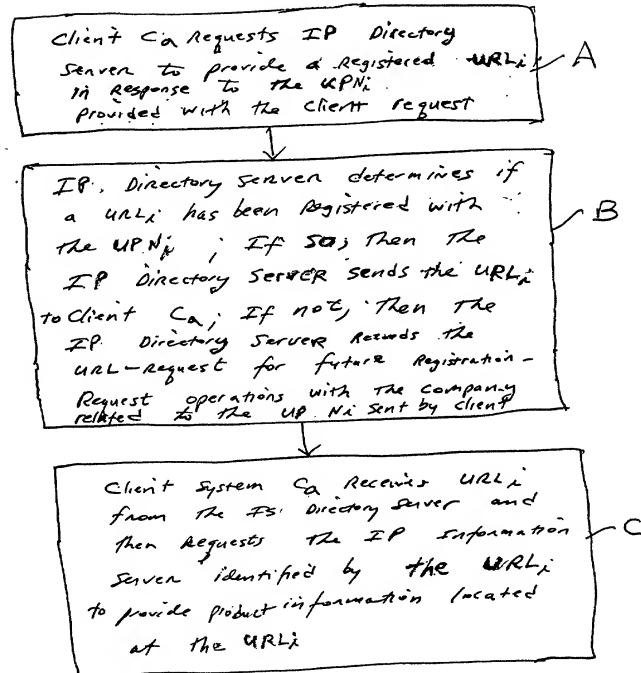


FIG. 5B

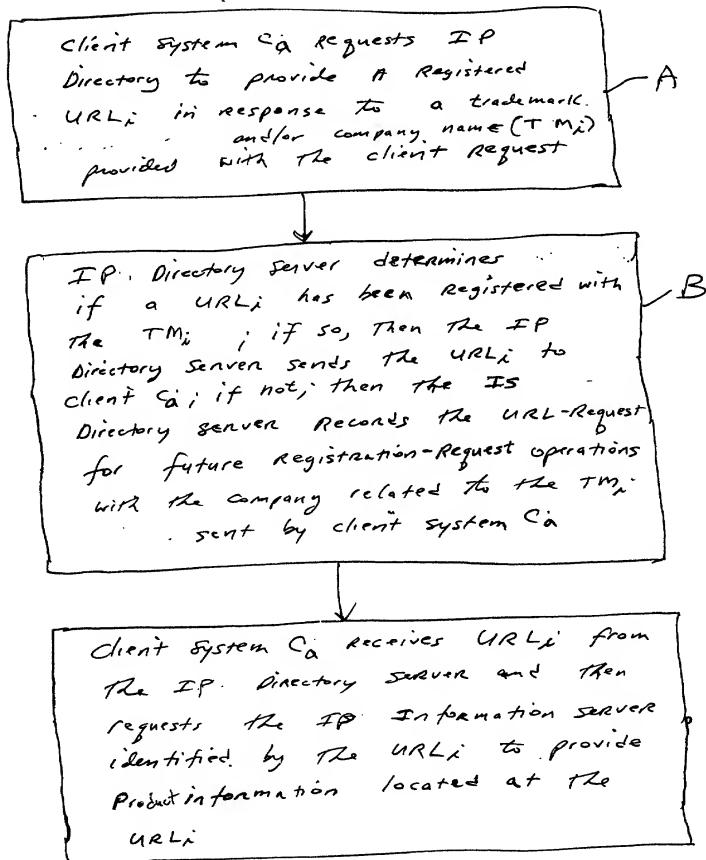
12/16



"IP I-  
Finder  
Mode"  
(Fig. 5A).

FIG. 6A

10040175, 102501



"UP N search  
node"  
(Fig. 5B)

FIG. 6B

14/16

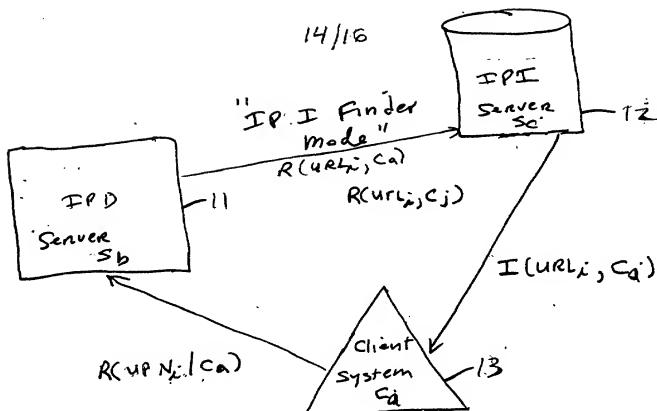


FIG. 7A

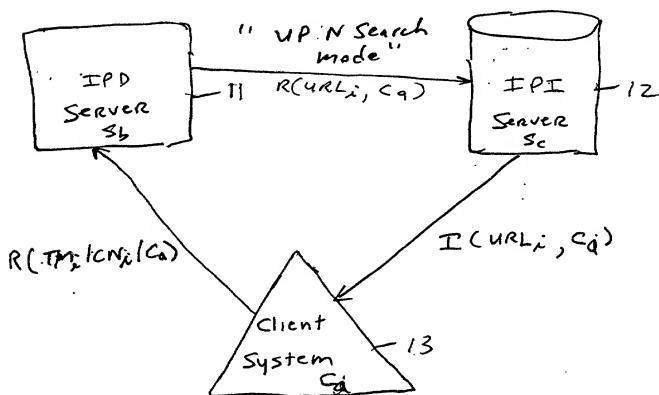
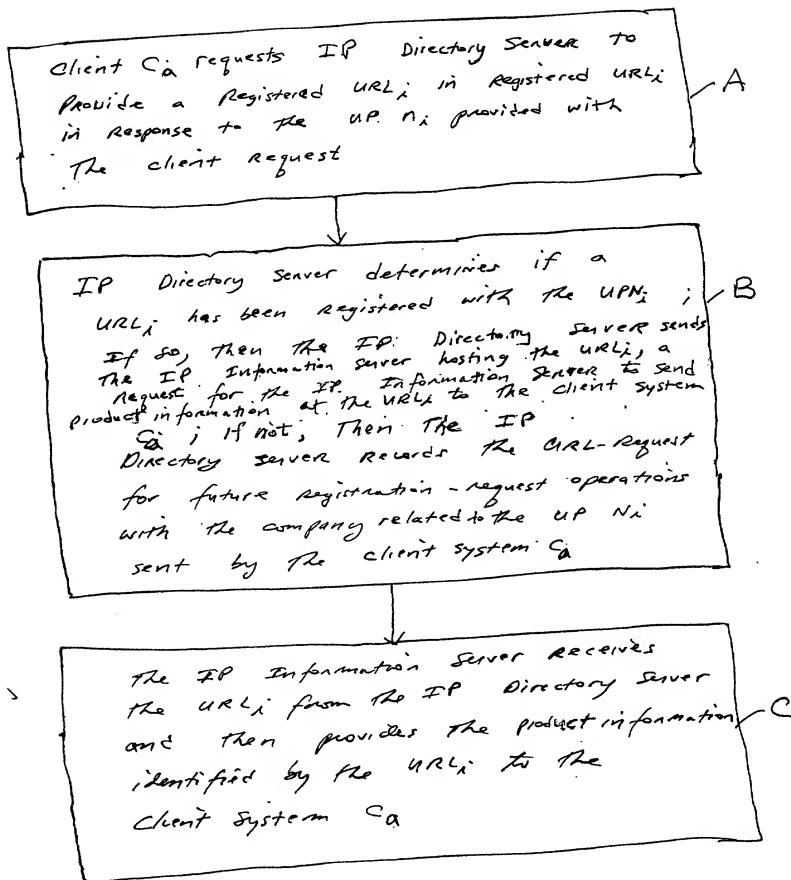


FIG. 7B

15/16

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"IPF II Finder mode"

(Fig. 7A)

FIG. 8A

Client Ca requests IP Directory Server to provide a registered URL<sub>i</sub> in response to a trademark, service mark and/or company (TM). provided with The client request

A

IP Directory Server determines if a URL<sub>i</sub> has been registered with the TM<sub>j</sub>; if so, then the IP Directory Server sends the IP Information Server hosting the URL<sub>i</sub>, a request for the IP Information Server to send product information at the URL<sub>i</sub> to the client system Ca; if not, then the IP Directory Server records the URL-request for future registration-request operations with the company related to the UPN<sub>i</sub> sent by the Client system Ca.

B

The IP Information Server hosting the URL<sub>i</sub> receives the request from the IP Directory Server and then provides the product information identified by the URL<sub>i</sub> to the client system Ca

C

"UP-N search mode"

(Fig. 7B)

FIG. 8B